

Application No. 10/581,470
Reply to Office Action dated March 18, 2008
Response Dated June 18, 2008

AMENDMENTS TO THE CLAIMS

Claims 1 and 6 were previously cancelled. Please amend claims 2-5, and 7-12, and add new claims 13-21.

Listing of Claims:

1. (Cancelled)

2.(Twice Amended) Method in accordance with claim 11, ~~characterised in that~~ wherein the temperature of the air jet (26) is measured at a location spaced from the blower (20, 22).

3.(Twice Amended) Method in accordance with claim 11, ~~characterised in that~~ wherein the air jet (26) is directed into the cabin (10) from the ceiling area (14).

4.(Twice Amended) Method in accordance with claim 11, ~~characterised in that~~ wherein, as the temperature of the air jet (26) rises, its angle (α) with respect to the vertical (V) is made smaller.

5.(Twice Amended) Method in accordance with claim 11, ~~characterised in that~~ wherein, as the temperature of the air jet (26) rises, its impulse is increased.

6.(Cancelled)

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7.(Twice Amended) Device in accordance with claim 12, ~~characterised in that~~ wherein the means (20) for altering the direction and/or the impulse of the air jet (26) ~~have~~has a component (28) with a temperature- dependent form.

8.(Currently Amended) Device in accordance with claim 7, ~~characterised in that~~ wherein the component (28) includes a shape memory alloy.

9.(Currently Amended) Device in accordance with claim 7, ~~characterised in that~~ wherein the component (28) has a bi-metallic element.

10.(Twice Amended) Device in accordance with claim 12, ~~characterised in that~~ wherein the means (28) for measuring the temperature ~~are~~ is positioned in such a way as to ~~that they~~ measure the temperature of the air jet (26) at a location spaced away from the means (20, 22) for generating and directing.

11.(Currently Amended) Method for air-conditioning of aircraft cabins, comprising wherein; ~~by means of at least one blower;~~ generating and directing at least one air jet (26) ~~is directed~~ into the cabin (10), ~~wherein the direction and the impulse of the air jet are altered dependent upon the measured air jet temperature~~ via at least one blower (20, 22); measuring the temperature of the air jet (26); and altering the direction and/or the impulse of the air jet depending upon the measured temperature, wherein the altering occurs via rotation of the blower (20, 22).

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12.(Currently Amended) Device for air-conditioning aircraft cabins (10) comprising with a means (20, 22) for generating and directing at least one air jet ~~(26)~~, a(26) into the aircraft cabin (10); means (28) for ~~detecting the air jet~~ measuring the temperature of the at least one air jet (26); and ~~a~~ means (20) ~~to alter~~ for altering the direction and/or the impulse of the air jet (26) dependent upon the measured air jet temperature ~~measured~~, wherein the means (20) for altering is adapted to rotate the means for directing and generating to rotatably change the direction of the air jet (26).

13.(New) Device in accordance with claim 12, further comprising a rotation device with which the means (20) for generating and directing the air jet (26) can be rotated about a horizontal axis, so as to vary the vertical angle of the air jet (26).

14.(New) Device in accordance with claim 12, wherein the means (20) for altering the direction and/or the impulse of the air jet is adapted to make smaller the angle (α) of the air jet with respect to the vertical (V) as the temperature of the air jet (26) rises.

15.(New) Device in accordance with claim 14, wherein the means (20) for altering the direction and/or the impulse of the air jet is adapted to set the angle within the range of from 10 to 30 degrees when the temperature of the air jet (26) is about 25 degrees Celsius.

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16.(New) Device in accordance with claim 14, wherein the means (20) for altering the direction and/or the impulse of the air jet is adapted to set the angle within the range of from 45 to 60 degrees when the temperature of the air jet (26) is about 15 degrees Celsius.

17.(New) Device in accordance with claim 14, wherein the means (20) for altering the direction and/or the impulse of the air jet is adapted to set the angle within the range of from 75 to 90 degrees when the temperature of the air jet (26) is about 9 degrees Celsius.

18.(New) Method in accordance with claim 10, further comprises a rotation device with which the means (20, 22) for generating and directing the air jet (26) can be rotated about a horizontal axis, so as to vary the vertical angle of the air jet (26).

19.(New) Method in accordance with claim 5, wherein when the temperature of the air jet (26) is about 25 degrees Celsius, the angle is within the range of from 10 to 30 degrees.

20.(New) Method in accordance with claim 5, wherein as the temperature of the air jet (26) is about 15 degrees Celsius, the angle is within the range of from 45 to 60 degrees.

21.(New) Method in accordance with claim 5, wherein as the temperature of the air jet (26) is about 9 degrees Celsius, the angle is within the range of from 75 to 90 degrees.